

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130  
617-983-6622

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

08/08/11

Michael E. Murawski  
Assistant District Attorney, Suffolk County

Dear ADA Murawski,

Enclosed are copies of the information you requested regarding sample number  
[REDACTED] in the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Daniela Frasca and Kate A. Corbett.
3. Control Card with Analytical Results for sample number [REDACTED]
4. Analysis Notation Form for the above sample number.
5. GC-MS Raw Data Sheets for the above sample number.

GC-MS confirmatory testing was performed by Kate A. Corbett. All other testing was performed by Daniela Frasca. If you have any questions or concerns about these facts, please contact me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Daniela Frasca".

Daniela Frasca  
Chemist II  
Drug Laboratory  
617 983-6631  
fax: 617 983-6625



## DRUG RECEIPT

CC # \_\_\_\_\_

PAGE # REDACTED \_\_\_\_\_

**DESTRUCTION #** \_\_\_\_\_

District/Unit A-1 DCW

Name & Rank of Arresting Officer John Dinei ID# 11202

**To be completed by ECU personnel only**

Name and Rank of Submitting Officer Sgt. V. White ID# 110164

Received by        Date 6-3-10

Date 6-3-10

ECU Control #

# Curriculum Vitae

Daniela Frasca

## Education

**Boston University School of Medicine, Boston MA**  
*Currently enrolled in the Biomedical Forensic Science MS Program*

**Suffolk University, Boston, MA**

*Graduated in 05/1996 and received a Bachelor of Science in Biochemistry*

## EXPERIENCE

**Massachusetts State Laboratory Institute/DPH, Jamaica Plain, MA** 01/2001 – present  
Drug Laboratory: Chemist II

- Analysis of all substances by chemical screening, microscopy, and instrument confirmation to determine the presence of drugs for law enforcement agencies in the Commonwealth of Massachusetts.
- Appointed assistant analyst on January 29, 2001 by the Assistant Commissioner of DPH
- Completed four weeks of training in drug analysis under the supervision of senior chemists.

**Quest Diagnostics Incorporated, Cambridge, MA** 09/1996 – 10/2001

Department of Toxicology: Medical Technologist I

- Handles comprehensive toxic analysis, therapeutic drug monitoring, forensic drug screening, and compound ID's of biohazard samples utilizing standard operating procedures in clinical toxicology.
- Entered data and interpreted results for reporting
- QC/QA of multiple analytical instrumentation as well as maintenance
- Completed 60 days of training under the supervision of doctorate level toxicologists.

## Additional Training

**Northeastern Association of Forensic Scientists**

Designer Drugs Clandestine labs  
Agilent Instruments and Software Digital Photography

**McCrone Research Institute**

Forensic Polarized Microscopy  
Polarized Microscopy of Illicit Drugs and Excipients

**Massachusetts State Laboratory Institute**

Expert Witness  
Raman Spectroscopy

## Associations and Programs

- Northeastern Association of Forensic Scientists (NEAFS) 2001 - present
- The International Association of Forensic Toxicologists (TIAFT) 2003 - present
- The International Association of Therapeutic Drug Monitoring And Clinical Toxicology (IATDMCT) 2003 - present
- Massachusetts State Science Fair Judge 2000 - present
- Middle School State Science Fair Judge 2006 - present
- Volunteer Science Project Mentor/Tutor for the TTT Mentor Program 2003 - present

# Curriculum Vitae

Kate A. Corbett

## Education

**Bachelor of Science Degree, CHEMISTRY May 2003**

**MERRIMACK COLLEGE**

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

## Employment

**Chemist II State Laboratory Institute (March 2008-Present)**

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

**Chemist I State Laboratory Institute (2005-March 2008)**

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

**Research Associate (September 2003 – August 2005)**

SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- Prepared chemistries used in making sensor beads
- Generated and examined sensors employing fluorescence spectroscopy
- Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- Carried out titrations on ricin using fluorescence correlation spectroscopy
- Statistical analysis of experimental data

**Intern (March 2003 – August 2003)**

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units

No. [REDACTED]

Date Analyzed: 7/21/10

City: Boston D.C.U. Police Dept.

Officer: P.O. SYBIL WHITE

Def: [REDACTED]

Amount:

No. Cont: 1 Cont: pb

Subst: SUB

Date Rec'd: 06/03/2010

No. Analyzed:

Gross Wt.: 1.67

Net Weight: 0.119

# Tests: 2

Prelim:

*B  
Cocaine*

Findings:

*Cocaine 2010*

# DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY

Boston

ANALYST

EM

## PHYSICAL DESCRIPTION:

no contents

EV. MECK

Substance loose in 1 PB (evidence bag)

Mary -

Gross Wt. -

Prsed -

Net Wt. 0.1174g

Meck -

Cobalt -, + Macd

Gold +

TLTA -, + Macd

## PRELIMINARY TEST RESULTS

RESULTS

Cocaine

DATE

9/17/10

## GC/MS CONFIRMATORY TEST

RESULTS

Cocaine

MS  
OPERATOR

MS/MS/100

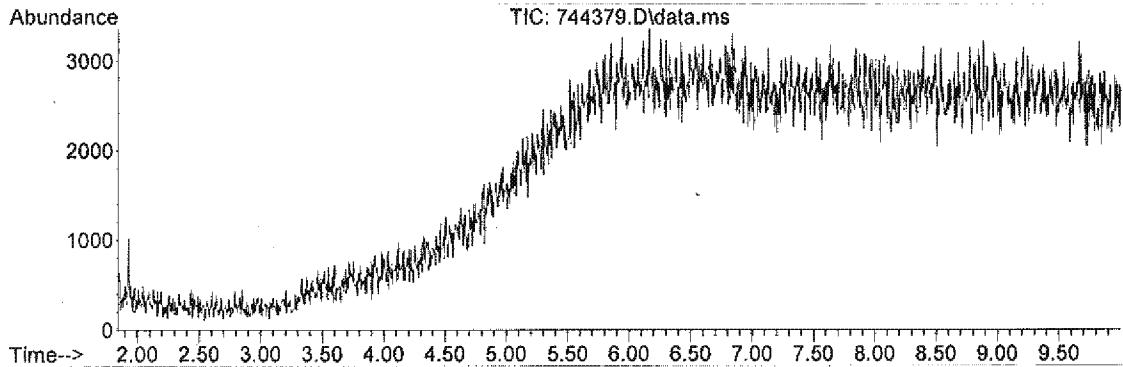
DATE

9/22/10

## Information from Data File:

File Name : F:\Q3-2010\System4\09\_20\_10\744379.D  
Operator : KAC  
Date Acquired : 21 Sep 2010 3:04  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

✓ 089  
Oct. 5-11

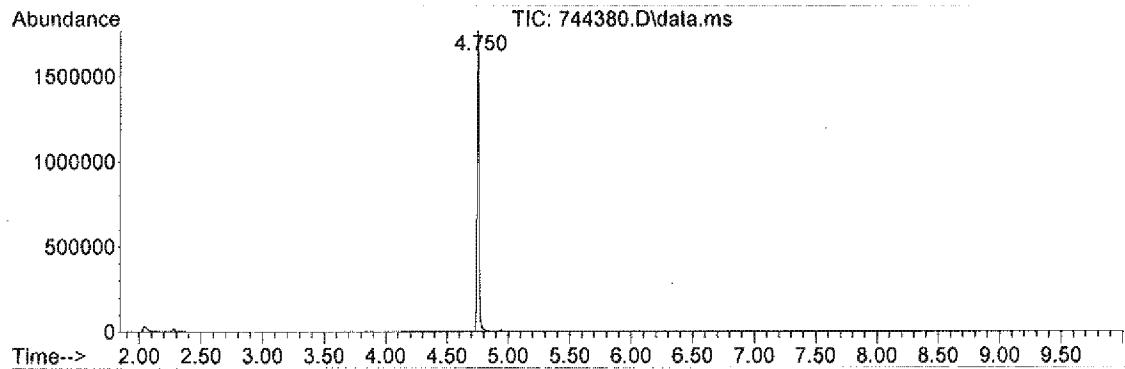


Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : F:\Q3-2010\System4\09\_20\_10\744380.D  
Operator : KAC  
Date Acquired : 21 Sep 2010 3:18  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 80  
AcquisitionMeth: DRUGS  
Integrator : RTE



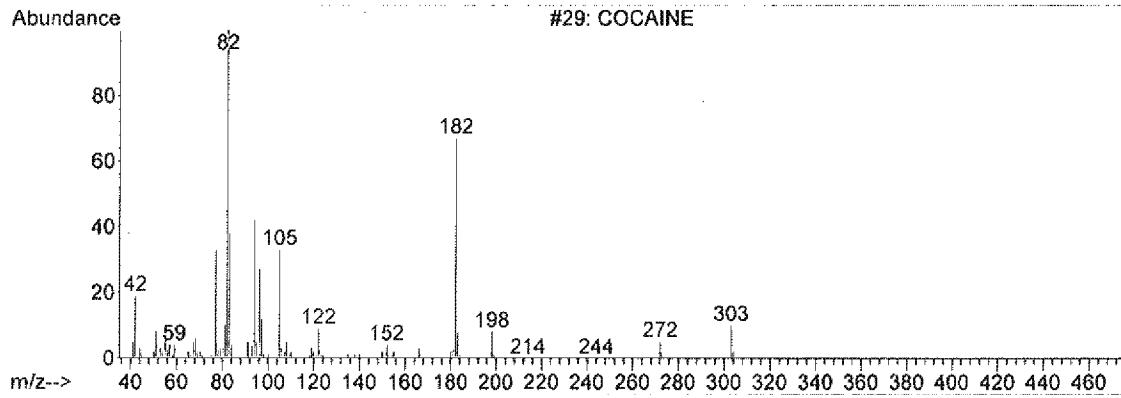
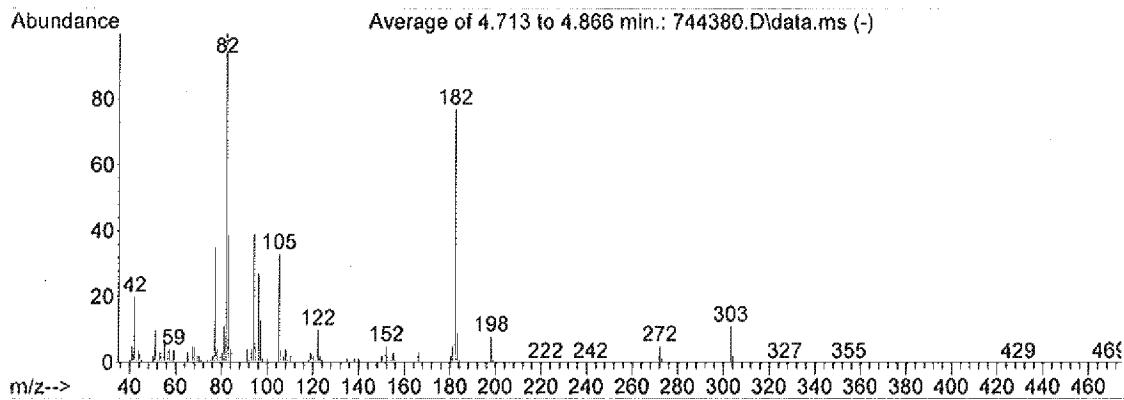
Ret. Time	Area	Area %	Ratio %
4.750	1835672	100.00	100.00

## Information from Data File:

File Name : F:\Q3-2010\System4\09\_20\_10\744380.D  
Operator : KAC  
Date Acquired : 21 Sep 2010 3:18  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 80  
AcquisitionMeth: DRUGS  
Integrator : RTE

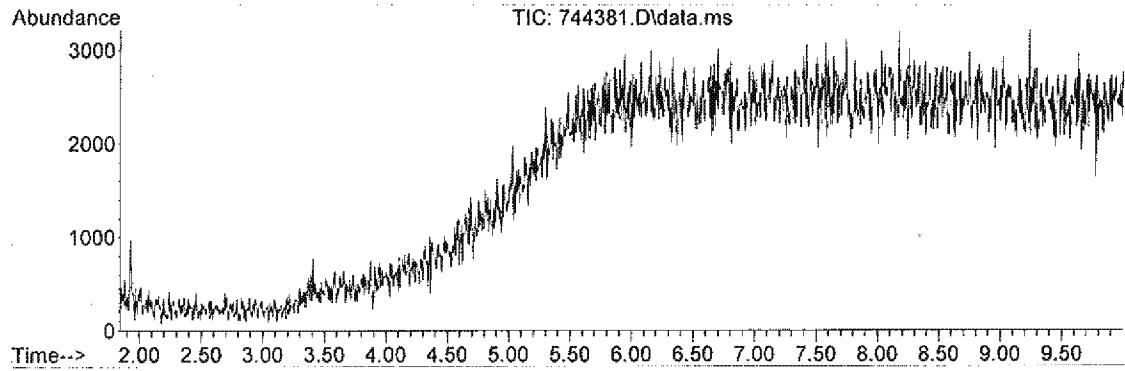
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.75	C:\Database\SLI.L COCAINE	000050-36-2	99



## Information from Data File:

File Name : F:\Q3-2010\System4\09\_20\_10\744381.D  
Operator : KAC  
Date Acquired : 21 Sep 2010 3:31  
Sample Name : BLANK  
Submitted by : DXF  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

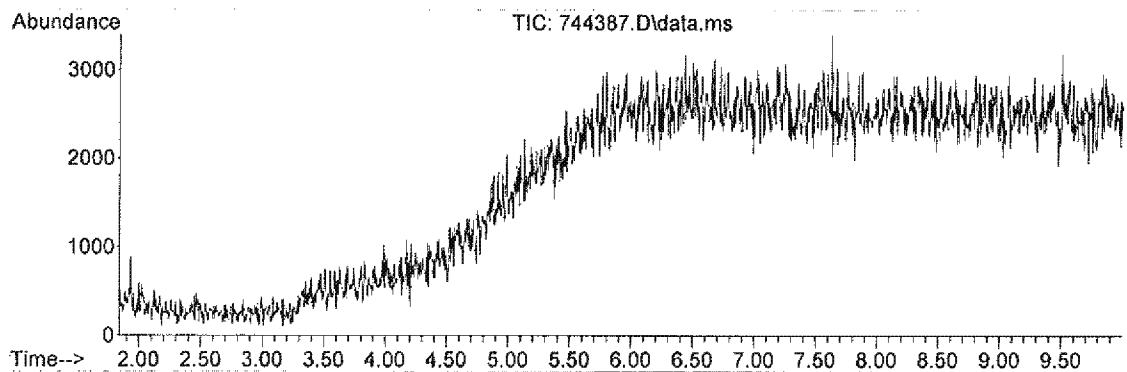


Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : F:\Q3-2010\System4\09\_20\_10\744387.D  
Operator : KAC  
Date Acquired : 21 Sep 2010 4:53  
Sample Name : BLANK  
Submitted by : DXF  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE



---

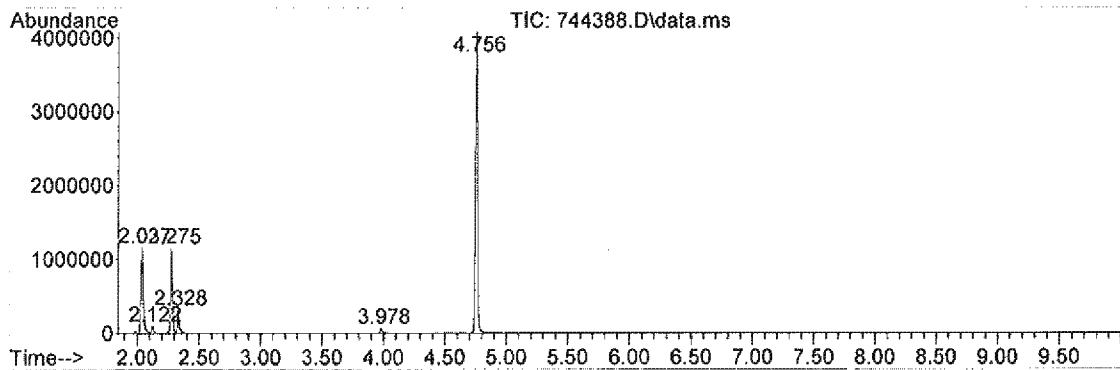
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

---

\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : F:\Q3-2010\System4\09\_20\_10\744388.D  
Operator : KAC  
Date Acquired : 21 Sep 2010 5:06  
Sample Name : XXXXXXXXXX  
Submitted by : DXF  
Vial Number : 88  
AcquisitionMeth: DRUGS  
Integrator : RTE



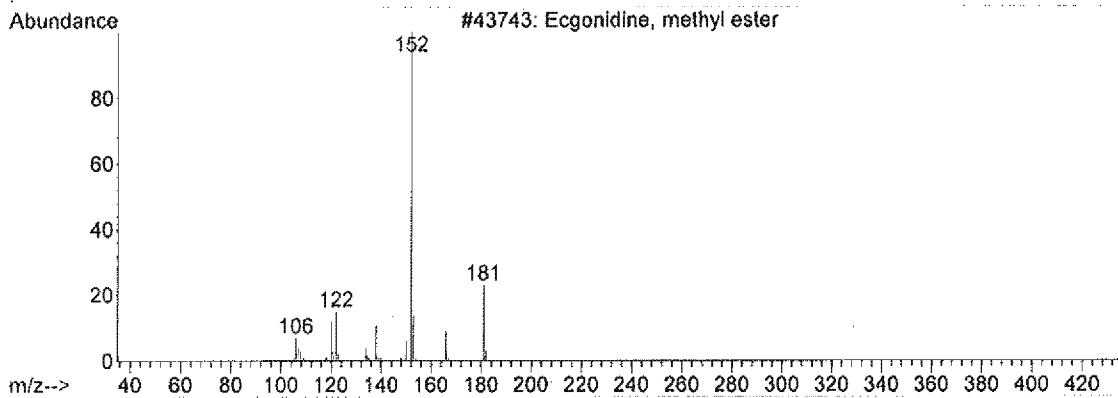
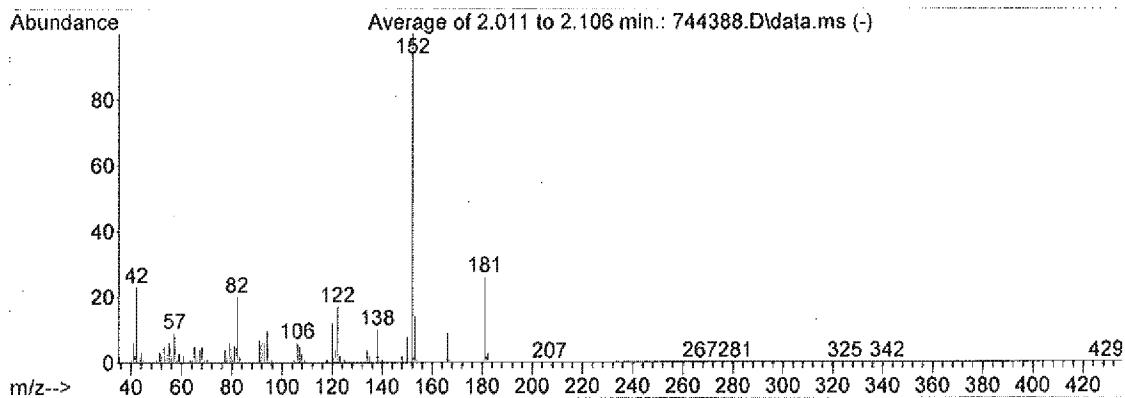
Ret. Time	Area	Area %	Ratio %
2.037	1421108	18.89	31.78
2.122	109558	1.46	2.45
2.275	1075456	14.30	24.05
2.328	342884	4.56	7.67
3.978	102273	1.36	2.29
4.756	4471479	59.44	100.00

## Information from Data File:

File Name : F:\Q3-2010\System4\09\_20\_10\744388.D  
Operator : KAC  
Date Acquired : 21 Sep 2010 5:06  
Sample Name : XXXXXXXXXX  
Submitted by : DXF  
Vial Number : 88  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.04	C:\Database\NIST05a.L		
		Ecgonidine, methyl ester	127379-24-2	98
		2-Carbomethoxy-8-methyl-8-azabicycl	043021-26-7	97
		2-[p-Chlorophenyl]pyrrolidine	038944-14-8	38

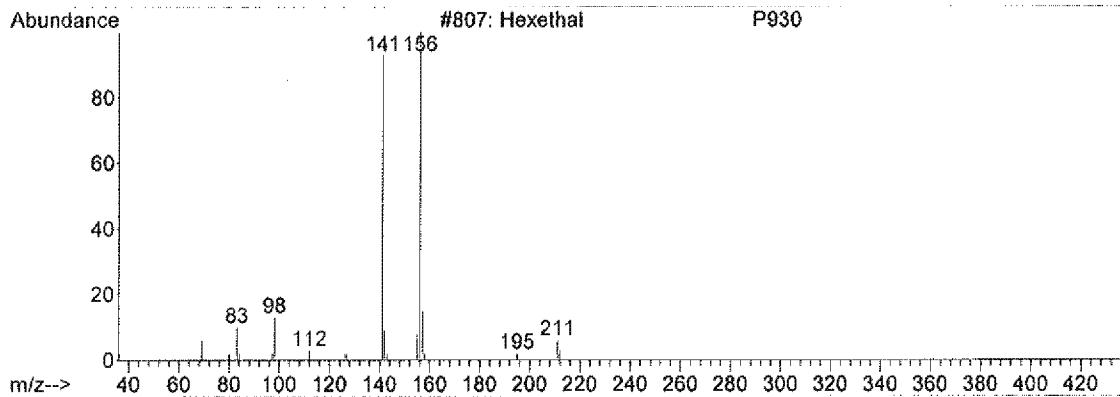
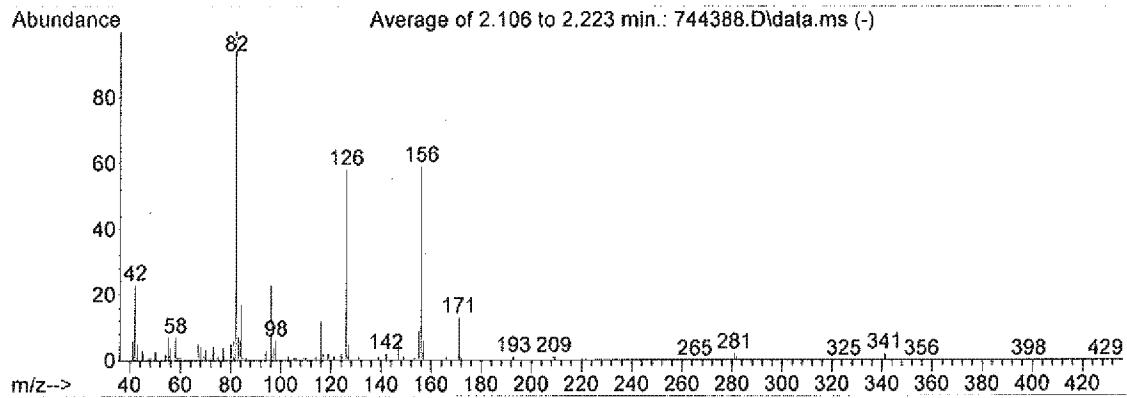


## Information from Data File:

File Name : F:\Q3-2010\System4\09\_20\_10\744388.D  
Operator : KAC  
Date Acquired : 21 Sep 2010 5:06  
Sample Name : XXXXXXXXXX  
Submitted by : DXF  
Vial Number : 88  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	2.12	C:\Database\PMW_TOX2.L		
		Hexethal	000077-30-5	9
		Amobarbital	000057-43-2	9
		Selegiline-M (nor-HO-) 2AC	000000-00-0	9

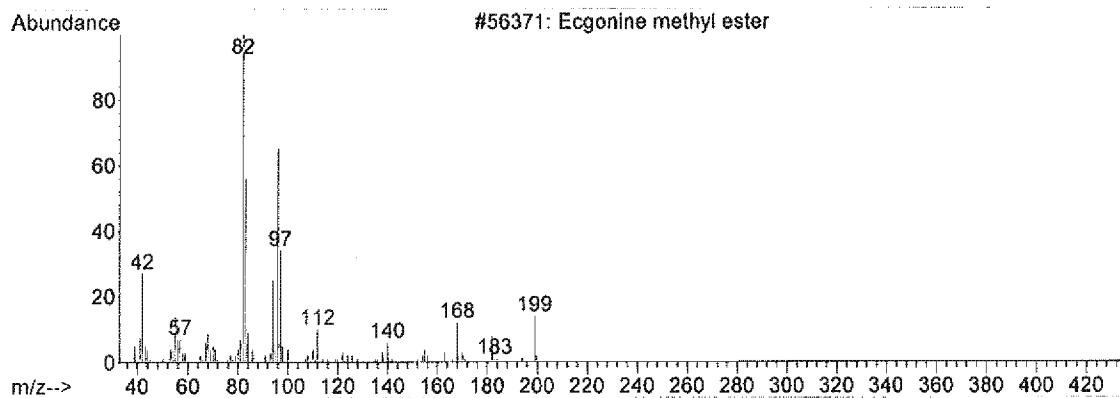
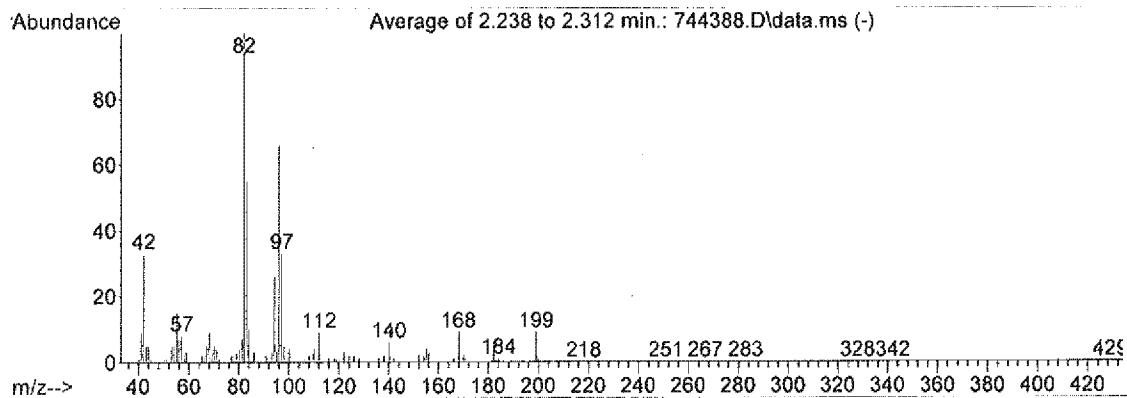


## Information from Data File:

File Name : F:\Q3-2010\System4\09\_20\_10\744388.D  
Operator : KAC  
Date Acquired : 21 Sep 2010 5:06  
Sample Name : XXXXXXXXXX  
Submitted by : DXF  
Vial Number : 88  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	2.28	C:\Database\NIST05a.L		
		Ecgonine methyl ester	106293-60-1	97
		Ecgonine methyl ester	106293-60-1	97
		Pseudoecgonine methyl ester	099189-88-5	95

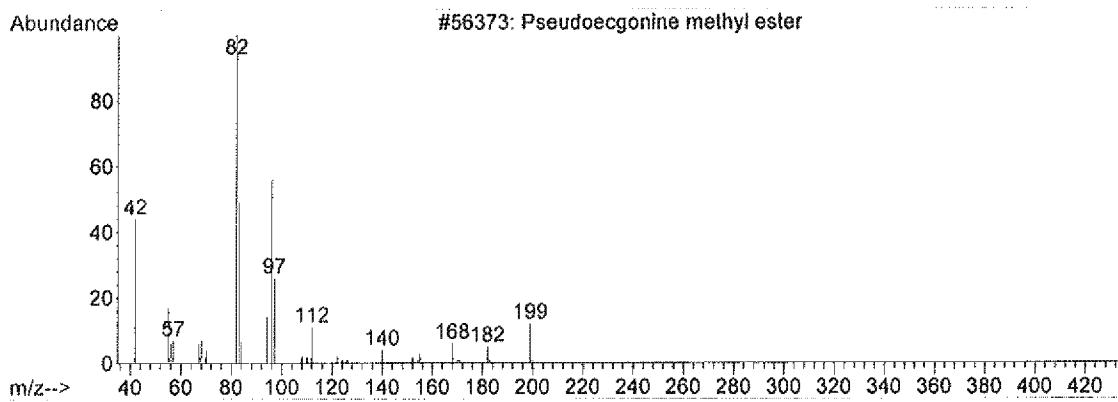
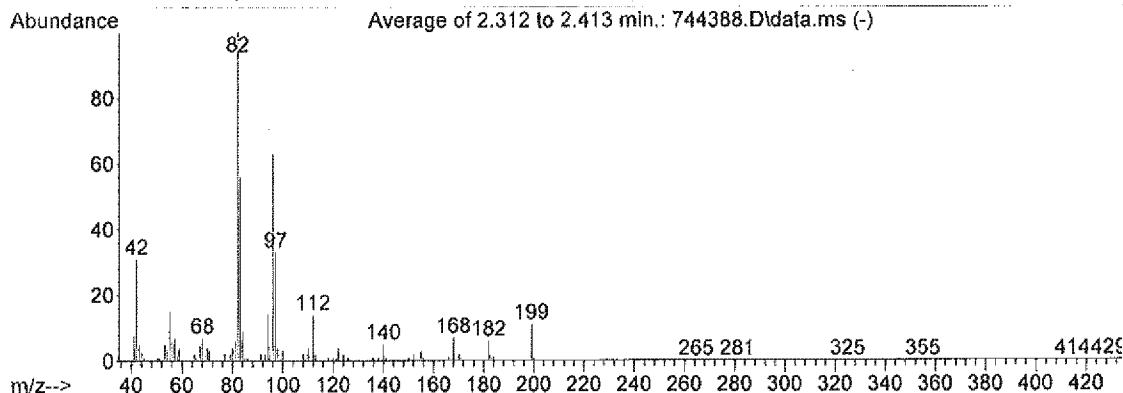


## Information from Data File:

File Name : F:\Q3-2010\System4\09\_20\_10\744388.D  
Operator : KAC  
Date Acquired : 21 Sep 2010 5:06  
Sample Name : XXXXXXXXXX  
Submitted by : DXF  
Vial Number : 88  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
4	2.33	C:\Database\NIST05a.L		
		Pseudoecgonine methyl ester	099189-88-5	96
		Ecgone methyl ester	106293-60-1	94
		Ecgone methyl ester	106293-60-1	94

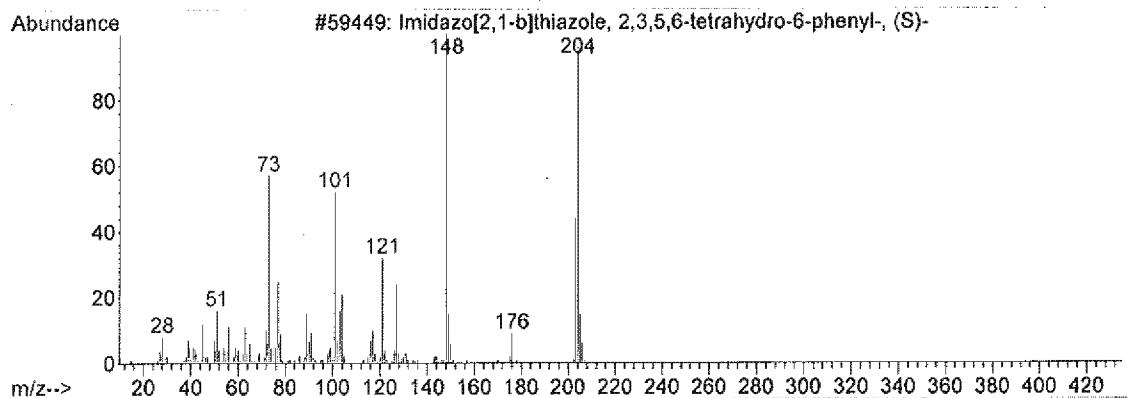
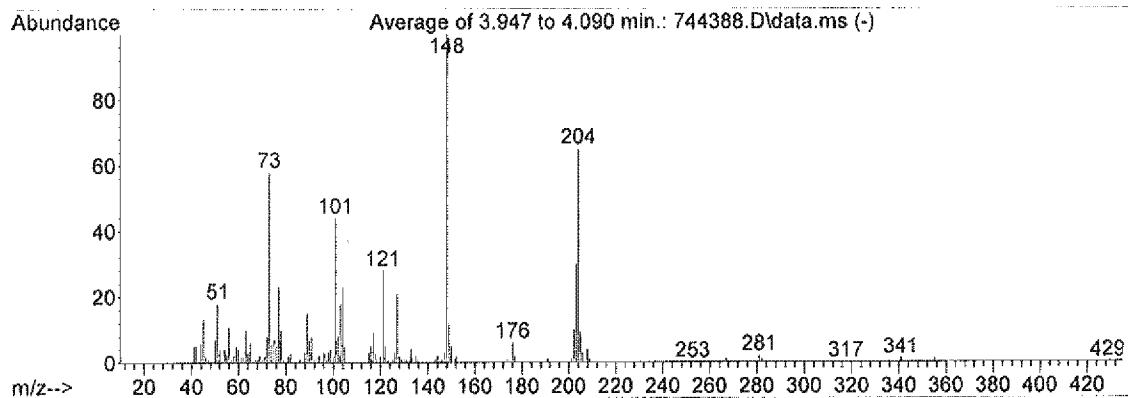


## Information from Data File:

File Name : F:\Q3-2010\System4\09\_20\_10\744388.D  
Operator : KAC  
Date Acquired : 21 Sep 2010 5:06  
Sample Name : XXXXXXXXXX  
Submitted by : DXF  
Vial Number : 88  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
5	3.98	C:\Database\NIST05a.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	97
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	97

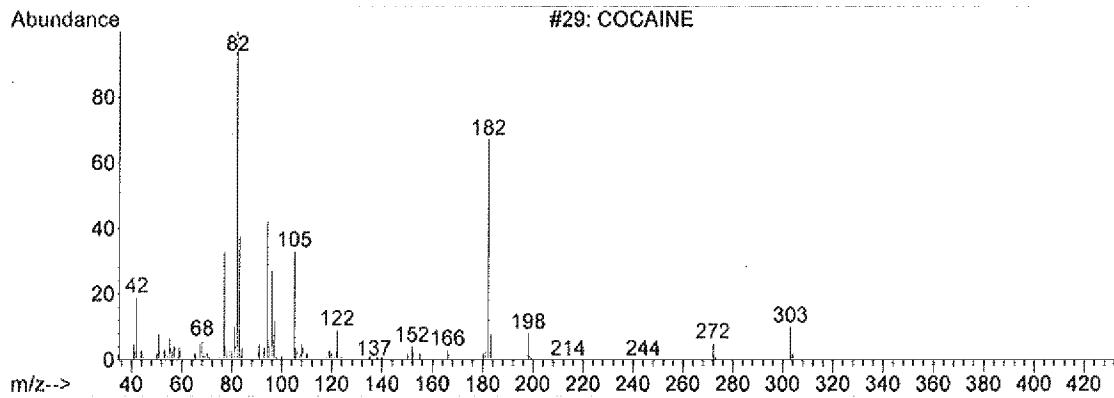
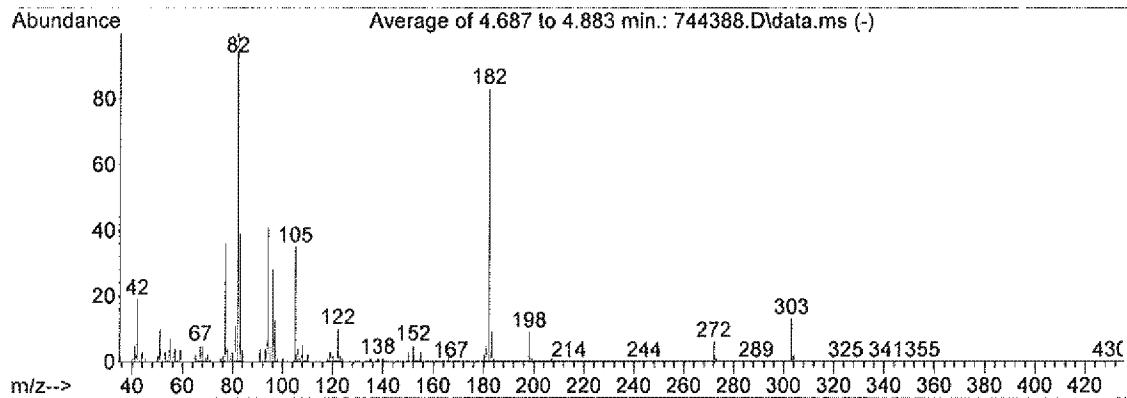


## Information from Data File:

File Name : F:\Q3-2010\System4\09\_20\_10\744388.D  
Operator : KAC  
Date Acquired : 21 Sep 2010 5:06  
Sample Name : XXXXXXXXXX  
Submitted by : DXF  
Vial Number : 88  
AcquisitionMeth: DRUGS  
Integrator : RTE

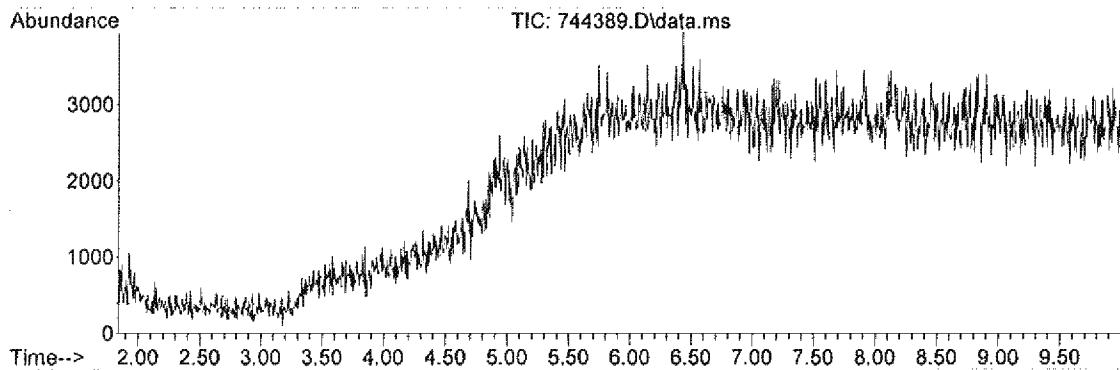
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
6	4.76	C:\Database\SLI.L COCAINE	000050-36-2	99



## Information from Data File:

File Name : F:\Q3-2010\System4\09\_20\_10\744389.D  
Operator : KAC  
Date Acquired : 21 Sep 2010 5:20  
Sample Name : BLANK  
Submitted by : DXF  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE



---

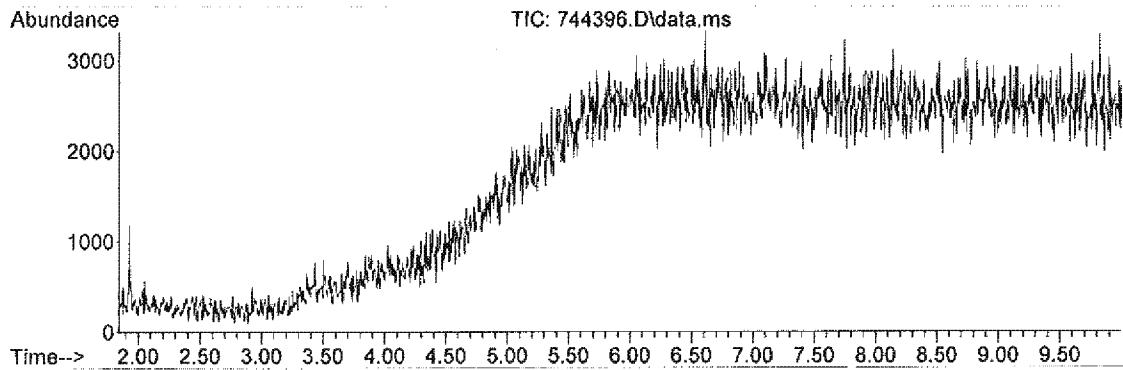
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

---

\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : F:\Q3-2010\System4\09\_20\_10\744396.D  
Operator : KAC  
Date Acquired : 21 Sep 2010 6:54  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

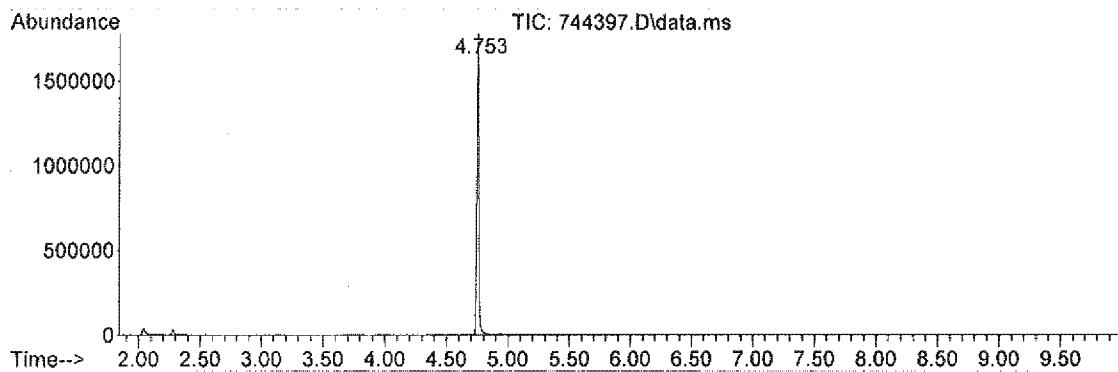


Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : F:\Q3-2010\System4\09\_20\_10\744397.D  
Operator : KAC  
Date Acquired : 21 Sep 2010 7:08  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 97  
AcquisitionMeth: DRUGS  
Integrator : RTE



---

Ret. Time	Area	Area %	Ratio %
4.753	1772732	100.00	100.00

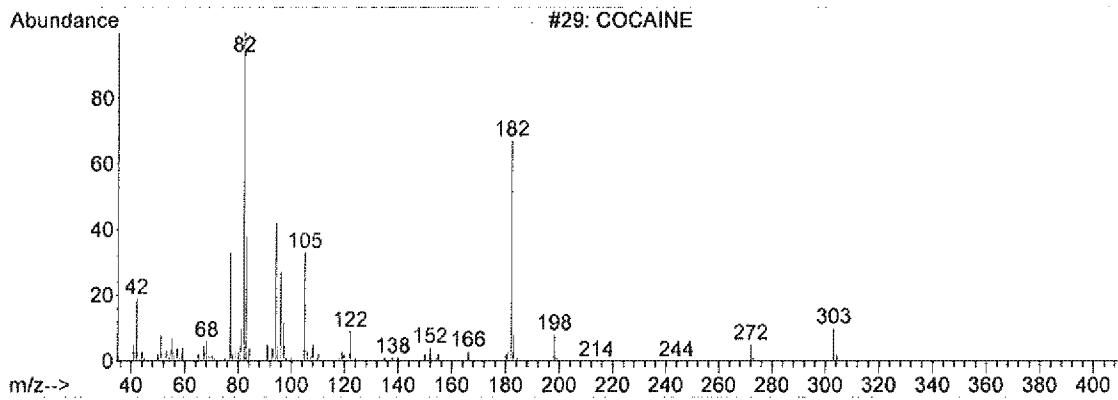
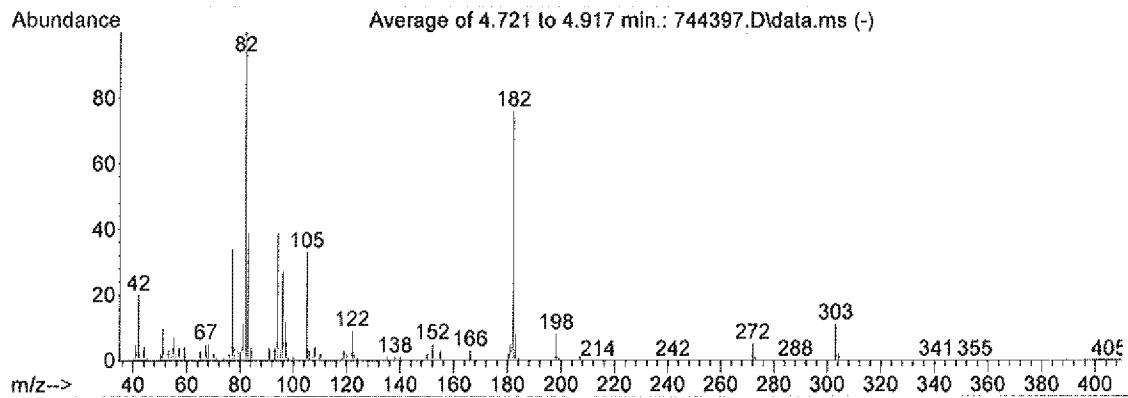
---

## Information from Data File:

File Name : F:\Q3-2010\System4\09\_20\_10\744397.D  
Operator : KAC  
Date Acquired : 21 Sep 2010 7:08  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 97  
AcquisitionMeth: DRUGS  
Integrator : RTE

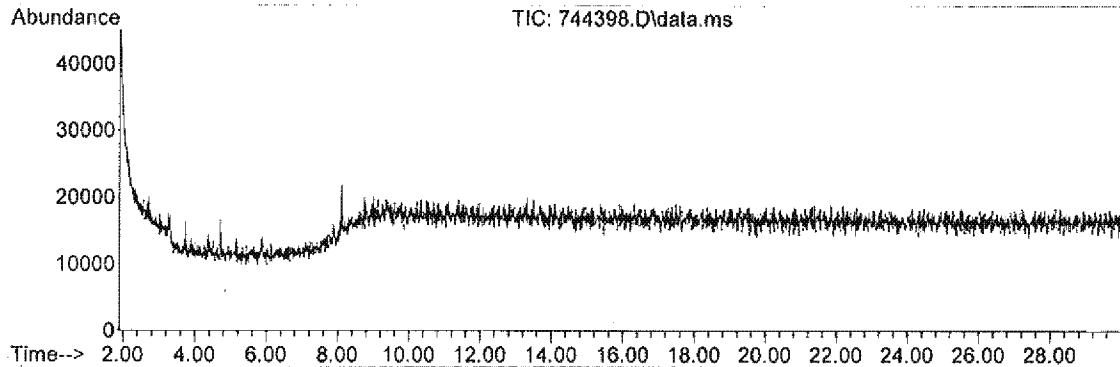
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.75	C:\Database\SLI.L COCAINE	000050-36-2	99



## Information from Data File:

File Name : F:\Q3-2010\System4\09\_20\_10\744398.D  
Operator : KAC  
Date Acquired : 21 Sep 2010 7:22  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: WSCREEN  
Integrator : RTE



---

Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

---

\*\*\*NO INTEGRATED PEAKS\*\*\*